

Ag. Waste Application and Excavated Ponds
Miner County, South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation.)

| Map symbol and soil name | Pct. of map unit | Application of manure and food- processing waste | | Aquifer-fed excavated ponds | |
|-----------------------------|---------------------------|---|------------------------------|---|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| Ar: Arlo----- | 85 | Very limited Depth to saturated zone Filtering capacity Flooding | 1.00 1.00 0.60 | Very limited Cutbanks cave | 1.00 |
| Ba: Baltic----- | 90 | Very limited Restricted permeability Depth to saturated zone Flooding Runoff limitation | 1.00 1.00 1.00 0.40 | Somewhat limited Slow refill Cutbanks cave | 0.95 0.10 |
| Bn: Bon----- | 90 | Not limited | | Very limited Cutbanks cave Deep to water | 1.00 0.81 |
| Bo: Bon----- | 90 | Very limited Flooding | 1.00 | Somewhat limited Deep to water Cutbanks cave | 0.81 0.10 |
| Ca: Chancellor----- | 45 | Very limited Restricted permeability Flooding Depth to saturated zone | 1.00 1.00 1.00 | Somewhat limited Slow refill Cutbanks cave | 0.99 0.10 |
| Tetonka----- | 35 | Very limited Restricted permeability Ponding Depth to saturated zone Leaching limitation | 1.00 1.00 1.00 0.50 | Somewhat limited Slow refill Cutbanks cave Salty water | 0.30 0.10 0.01 |

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|-----------------------------|---------------------------|--|----------------------------------|--|----------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| Cc: Clamo----- | 85 | Very limited Restricted permeability Depth to saturated zone Flooding Leaching limitation | 1.00 1.00 0.60 0.50 | Somewhat limited Slow refill Cutbanks cave Salty water | 0.57 0.10 0.01 |
| CfA: Clarno----- | 55 | Somewhat limited Restricted permeability | 0.30 | Very limited Deep to water | 1.00 |
| Bonilla----- | 35 | Not limited | | Very limited Deep to water | 1.00 |
| CfB: Clarno----- | 55 | Somewhat limited Restricted permeability | 0.30 | Very limited Deep to water | 1.00 |
| Bonilla----- | 30 | Not limited | | Very limited Deep to water | 1.00 |
| CgA: Clarno----- | 45 | Somewhat limited Restricted permeability | 0.30 | Somewhat limited Slow refill Deep to water Cutbanks cave Salty water | 0.95 0.81 0.10 0.01 |
| Crossplain----- | 30 | Very limited Flooding Depth to saturated zone Restricted permeability | 1.00 1.00 0.89 | Very limited Deep to water | 1.00 |
| CkB: Clarno----- | 55 | Somewhat limited Restricted permeability | 0.30 | Very limited Deep to water | 1.00 |
| Ethan----- | 30 | Not limited | | Very limited Deep to water | 1.00 |

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| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| CnA: Clarno----- | 40 | Somewhat limited Restricted permeability | 0.30 | Very limited Deep to water | 1.00 |
| Stickney----- | 35 | Very limited Restricted permeability Salinity | 1.00 0.50 | Somewhat limited Slow refill Deep to water Salty water Cutbanks cave | 0.99 0.90 0.50 0.10 |
| Tetonka----- | 15 | Very limited Restricted permeability Ponding Depth to saturated zone Leaching limitation | 1.00 1.00 1.00 0.50 | Somewhat limited Slow refill Cutbanks cave Salty water | 0.30 0.10 0.01 |
| CnB: Clarno----- | 40 | Somewhat limited Restricted permeability | 0.30 | Very limited Deep to water | 1.00 |
| Stickney----- | 30 | Very limited Restricted permeability Salinity | 1.00 0.50 | Somewhat limited Slow refill Deep to water Salty water Cutbanks cave | 0.99 0.90 0.50 0.10 |
| Tetonka----- | 15 | Very limited Restricted permeability Ponding Depth to saturated zone Leaching limitation | 1.00 1.00 1.00 0.50 | Somewhat limited Slow refill Cutbanks cave Salty water | 0.30 0.10 0.01 |
| Ct: Crossplain----- | 45 | Very limited Flooding Depth to saturated zone Restricted permeability | 1.00 1.00 0.89 | Very limited Deep to water | 1.00 |

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| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| Tetonka----- | 40 | Very limited Restricted permeability Ponding Depth to saturated zone Leaching limitation | 1.00 1.00 1.00 0.50 | Somewhat limited Slow refill Cutbanks cave Salty water | 0.30 0.10 0.01 |
| Da: Davis----- | 85 | Not limited | | Very limited Deep to water | 1.00 |
| Do: Dudley----- | 45 | Very limited Restricted permeability Sodium content Salinity Runoff limitation | 1.00 1.00 0.78 0.40 | Somewhat limited Slow refill Deep to water Salty water Cutbanks cave | 0.99 0.90 0.78 0.10 |
| Jerauld----- | 40 | Very limited Restricted permeability Sodium content Salinity Runoff limitation | 1.00 1.00 0.50 0.40 | Very limited Deep to water | 1.00 |
| Du: Durrstein----- | 90 | Very limited Restricted permeability Depth to saturated zone Flooding Sodium content Salinity | 1.00 1.00 1.00 1.00 0.50 | Very limited Slow refill Salty water Cutbanks cave | 1.00 0.50 0.10 |
| EbB: Egan----- | 55 | Somewhat limited Restricted permeability | 0.30 | Very limited Deep to water | 1.00 |
| Trent----- | 25 | Not limited | | Very limited Deep to water | 1.00 |
| EdA: Enet----- | 60 | Very limited Filtering capacity | 1.00 | Very limited Deep to water | 1.00 |

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| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| Delmont----- | 30 | Very limited Depth to dense layer Filtering capacity Droughty | 1.00 1.00 0.26 | Very limited Deep to water | 1.00 |
| EgC: Ethan----- | 45 | Not limited | | Very limited Deep to water | 1.00 |
| Clarno----- | 40 | Somewhat limited Restricted permeability | 0.30 | Very limited Deep to water | 1.00 |
| EgD: Ethan----- | 50 | Somewhat limited Slope | 0.63 | Very limited Deep to water | 1.00 |
| Clarno----- | 35 | Somewhat limited Slope Restricted permeability | 0.63 0.30 | Very limited Deep to water | 1.00 |
| EmB: Ethan----- | 45 | Not limited | | Very limited Deep to water | 1.00 |
| Egan----- | 40 | Somewhat limited Restricted permeability | 0.30 | Very limited Deep to water | 1.00 |
| HdA: Houdek----- | 45 | Somewhat limited Restricted permeability | 0.30 | Very limited Deep to water | 1.00 |
| Dudley----- | 30 | Very limited Restricted permeability Sodium content Salinity Runoff limitation | 1.00 1.00 0.78 0.40 | Somewhat limited Slow refill Deep to water Salty water Cutbanks cave | 0.99 0.90 0.78 0.10 |
| HdB: Houdek----- | 45 | Somewhat limited Restricted permeability | 0.30 | Very limited Deep to water | 1.00 |

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| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| Dudley----- | 30 | Very limited Restricted permeability Sodium content Salinity Runoff limitation | 1.00 1.00 0.78 0.40 | Somewhat limited Slow refill Deep to water Salty water Cutbanks cave | 0.99 0.90 0.78 0.10 |
| HgA: Dudley----- | 35 | Very limited Restricted permeability Sodium content Salinity Runoff limitation | 1.00 1.00 0.78 0.40 | Somewhat limited Slow refill Deep to water Salty water Cutbanks cave | 0.99 0.90 0.78 0.10 |
| Houdek----- | 35 | Somewhat limited Restricted permeability | 0.30 | Very limited Deep to water | 1.00 |
| Tetonka----- | 25 | Very limited Restricted permeability Ponding Depth to saturated zone Leaching limitation | 1.00 1.00 1.00 0.50 | Somewhat limited Slow refill Cutbanks cave Salty water | 0.30 0.10 0.01 |
| HgB: Dudley----- | 35 | Very limited Restricted permeability Sodium content Salinity Runoff limitation | 1.00 1.00 0.78 0.40 | Somewhat limited Slow refill Deep to water Salty water Cutbanks cave | 0.99 0.90 0.78 0.10 |
| Houdek----- | 35 | Somewhat limited Restricted permeability | 0.30 | Very limited Deep to water | 1.00 |
| Tetonka----- | 25 | Very limited Restricted permeability Ponding Depth to saturated zone Leaching limitation | 1.00 1.00 1.00 0.50 | Somewhat limited Slow refill Cutbanks cave Salty water | 0.30 0.10 0.01 |

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| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| Ho: Hoven----- | 90 | Very limited Restricted permeability Depth to saturated zone Ponding Sodium content Salinity | 1.00 1.00 1.00 1.00 0.50 | Somewhat limited Salty water Slow refill Cutbanks cave | 0.50 0.30 0.10 |
| HuA: Huntimer----- | 90 | Very limited Restricted permeability | 1.00 | Very limited Deep to water | 1.00 |
| HxB: Huntimer----- | 50 | Very limited Restricted permeability | 1.00 | Very limited Deep to water | 1.00 |
| Egan----- | 40 | Somewhat limited Restricted permeability | 0.30 | Very limited Deep to water | 1.00 |
| La: Lamo----- | 80 | Very limited Depth to saturated zone Flooding Restricted permeability | 1.00 0.60 0.30 | Somewhat limited Slow refill Cutbanks cave Deep to water | 0.95 0.10 0.01 |
| M-W: Miscellaneous Water- | 100 | Not rated | | Not rated | |
| Sd: Stickney----- | 45 | Very limited Restricted permeability Salinity | 1.00 0.50 | Somewhat limited Slow refill Deep to water Salty water Cutbanks cave | 0.99 0.90 0.50 0.10 |

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|-----------------------------|---------------------------|---|--------------------------------------|--|----------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| Dudley----- | 40 | Very limited Restricted permeability Sodium content Salinity Runoff limitation | 1.00 1.00 0.78 0.40 | Somewhat limited Slow refill Deep to water Salty water Cutbanks cave | 0.99 0.90 0.78 0.10 |
| Te: Tetonka----- | 90 | Very limited Restricted permeability Ponding Depth to saturated zone Leaching limitation | 1.00 1.00 1.00 0.50 | Somewhat limited Slow refill Cutbanks cave Salty water | 0.30 0.10 0.01 |
| W: Water----- | 100 | Not rated | | Not rated | |
| Wo: Worthing----- | 90 | Very limited Restricted permeability Ponding Depth to saturated zone Runoff limitation | 1.00 1.00 1.00 0.40 | Somewhat limited Slow refill Cutbanks cave Salty water | 0.95 0.10 0.01 |
| Wp: Worthing----- | 95 | Very limited Restricted permeability Ponding Depth to saturated zone Runoff limitation | 1.00 1.00 1.00 0.40 | Somewhat limited Slow refill Cutbanks cave Salty water | 0.95 0.10 0.01 |

